AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10. (Canceled)

11. **(New)** A fuel injector for injecting fuel into a combustion chamber of an internal combustion engine, the injector comprising,

an injector body, a nozzle holder, an injection valve member movably received in the nozzle holder, the injection valve member having a seat that opens or closes injection openings, a piezoelectric actuator, a first booster piston directly actuated by the piezoelectric actuator, and a second booster piston guided in the first actuator piston and connected to the injection valve member for varying the pressure inside a control chamber.

12. **(New)** The fuel injector as recited in claim 11, wherein the piezoelectric actuator is received inside a pressure chamber, embodied in the injector body, which chamber is acted upon via a high-pressure inlet by fuel at system pressure.

13. **(New)** The fuel injector as recited in claim 11, wherein the control chamber is defined by a control chamber sleeve, an annular face of the first booster piston, an annular face of the second booster piston, and a plane face of the nozzle holder.

14. **(New)** The fuel injector as recited in claim 12, wherein the control chamber is defined by a control chamber sleeve, an annular face of the first booster piston, an annular face of the second booster piston, and a plane face of the nozzle holder.

15. **(New)** The fuel injector as recited in claim 13, the control chamber sleeve is guided on the first booster piston and is acted upon via a compression spring.

16. **(New)** The fuel injector as recited in claim 14, the control chamber sleeve is guided on the first booster piston and is acted upon via a compression spring.

17. **(New)** The fuel injector as recited in claim 13, wherein the control chamber is sealed off from the pressure chamber via a bite edge that cooperates with the plane face of the nozzle holder.

18. **(New)** The fuel injector as recited in claim 15, wherein the control chamber is sealed off from the pressure chamber via a bite edge that cooperates with the plane face of the nozzle holder.

19. **(New)** The fuel injector as recited in claim 16, wherein the control chamber is sealed off from the pressure chamber via a bite edge that cooperates with the plane face of the nozzle holder.

20. **(New)** The fuel injector as recited in claim 11, further comprising a hydraulic chamber between the first booster piston and the second booster piston, which hydraulic chamber communicates hydraulically, via a compensation bore, with the pressure chamber inside the injector body.

21. **(New)** The fuel injector as recited in claim 20, further comprising a spring element resting a contact face and received inside the hydraulic chamber, the spring element urging the injection valve member in the closing direction.

22. **(New)** The fuel injector as recited in claim 11, further comprising a nozzle chamber inlet branching off from the pressure chamber and connecting the pressure chamber with the nozzle chamber.

23. **(New)** The fuel injector as recited in claim 11, wherein the guidance of the injection valve member inside the nozzle holder is effected in a guide portion and inside the injector body by the booster pistons.

24. **(New)** The fuel injector as recited in claim 11, wherein the hydraulic chamber, which communicates with the pressure chamber via a compensation bore, comprises a contact face for the spring element, which contact face is braced in a recess of the second booster piston, which piston has a first annular face that defines the hydraulic chamber.